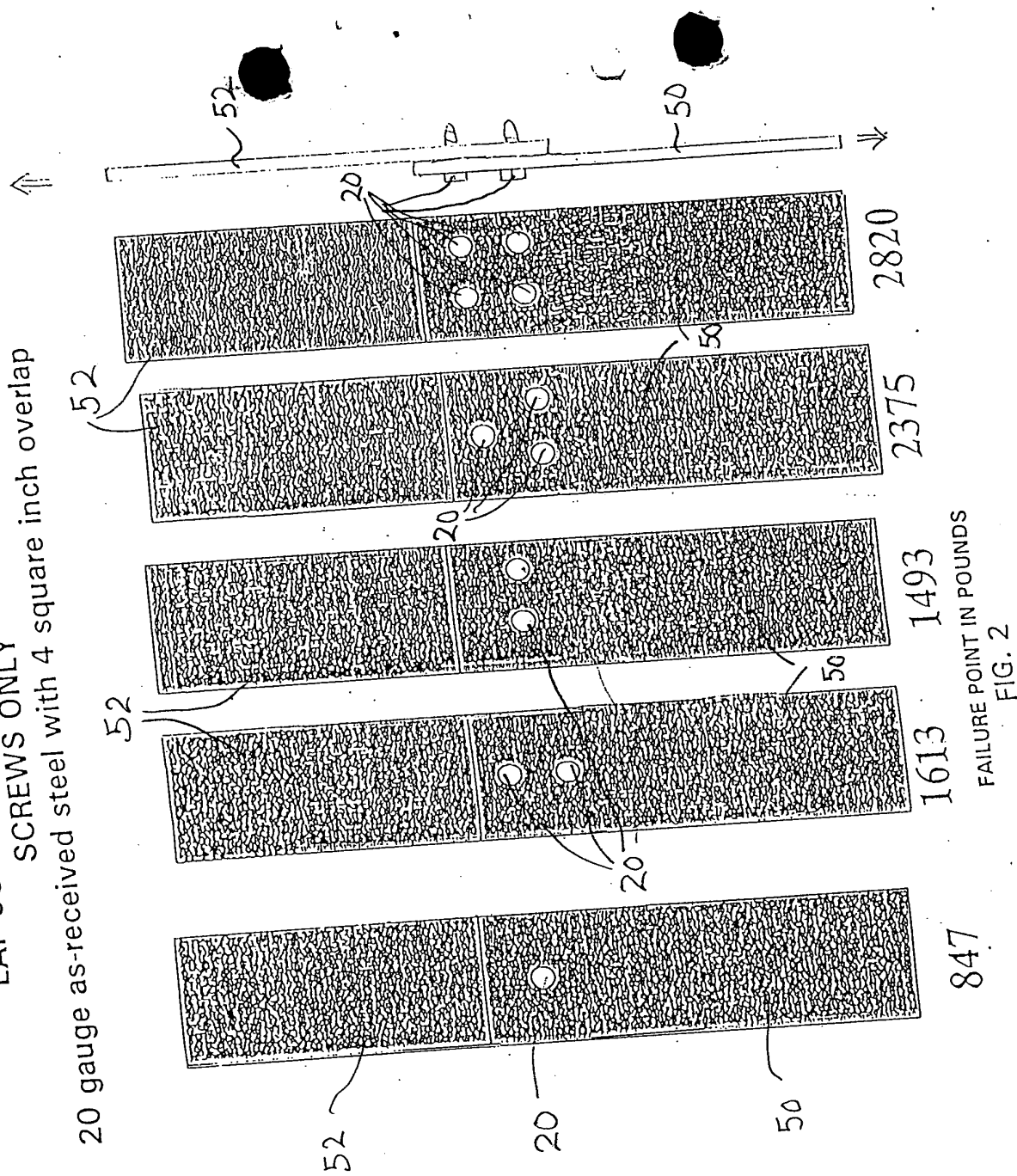


LAP-JOINT SHEAR ONLY  
SCREWS ONLY

20 gauge as-received steel with 4 square inch cross section



FAILURE POINT IN POUNDS  
FIG. 2

000180-6050E960

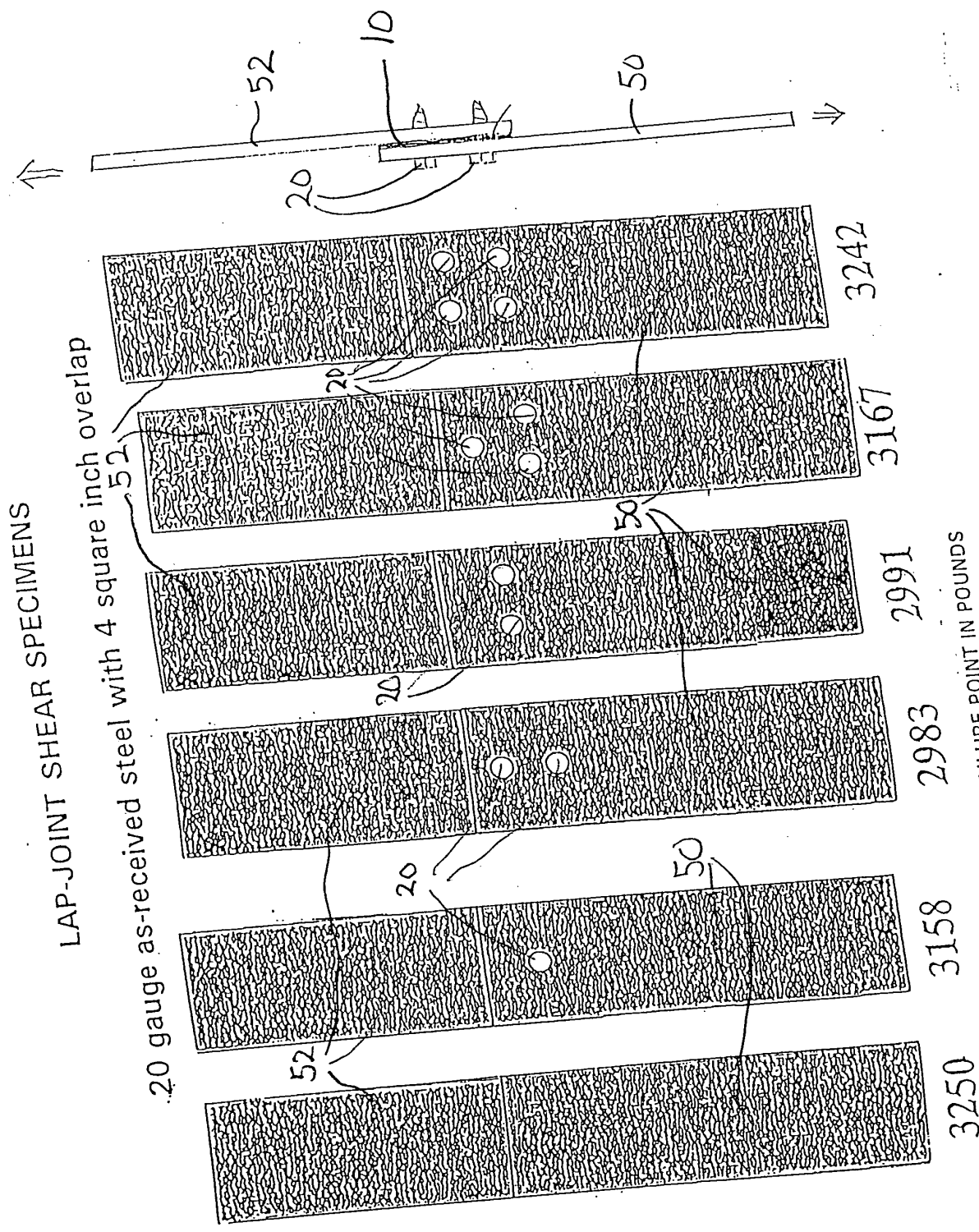
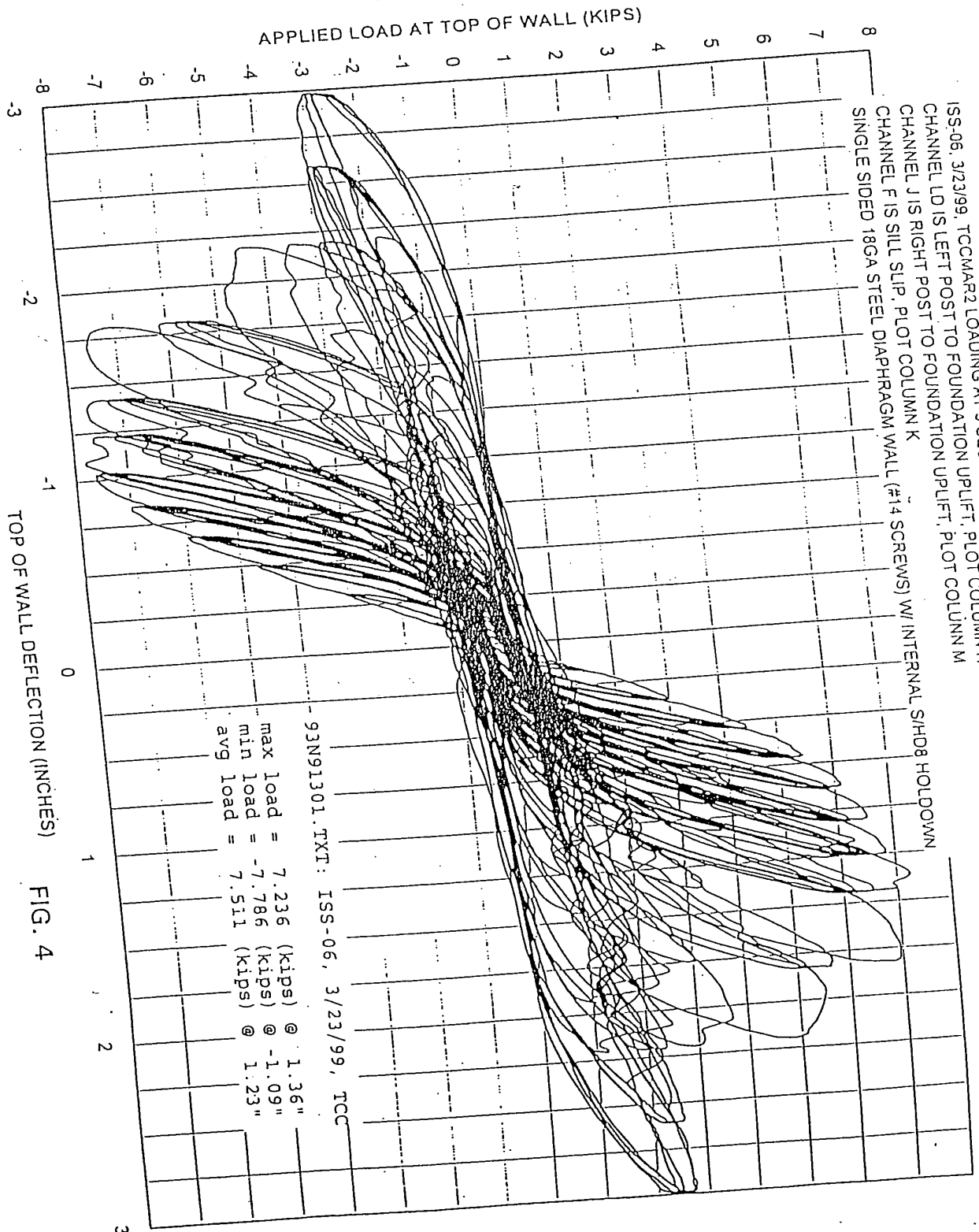


FIG. 3



ISS-06, 3/23/99, TCCMAR2 LOADING AT 5 SECONDS PER CYCLE, FME=0.8  
 CHANNEL LD IS LEFT POST TO FOUNDATION UPLIFT, PLOT COLUMN H  
 CHANNEL J IS RIGHT POST TO FOUNDATION UPLIFT, PLOT COLUMN M  
 CHANNEL F IS SILL SLIP, PLOT COLUMN K  
 SINGLE SIDED 18GA STEEL DIAPHRAGM WALL (#14 SCREWS) W/ INTERNAL SHD8 HOLDOWN

FIG. 4

09629599.081600

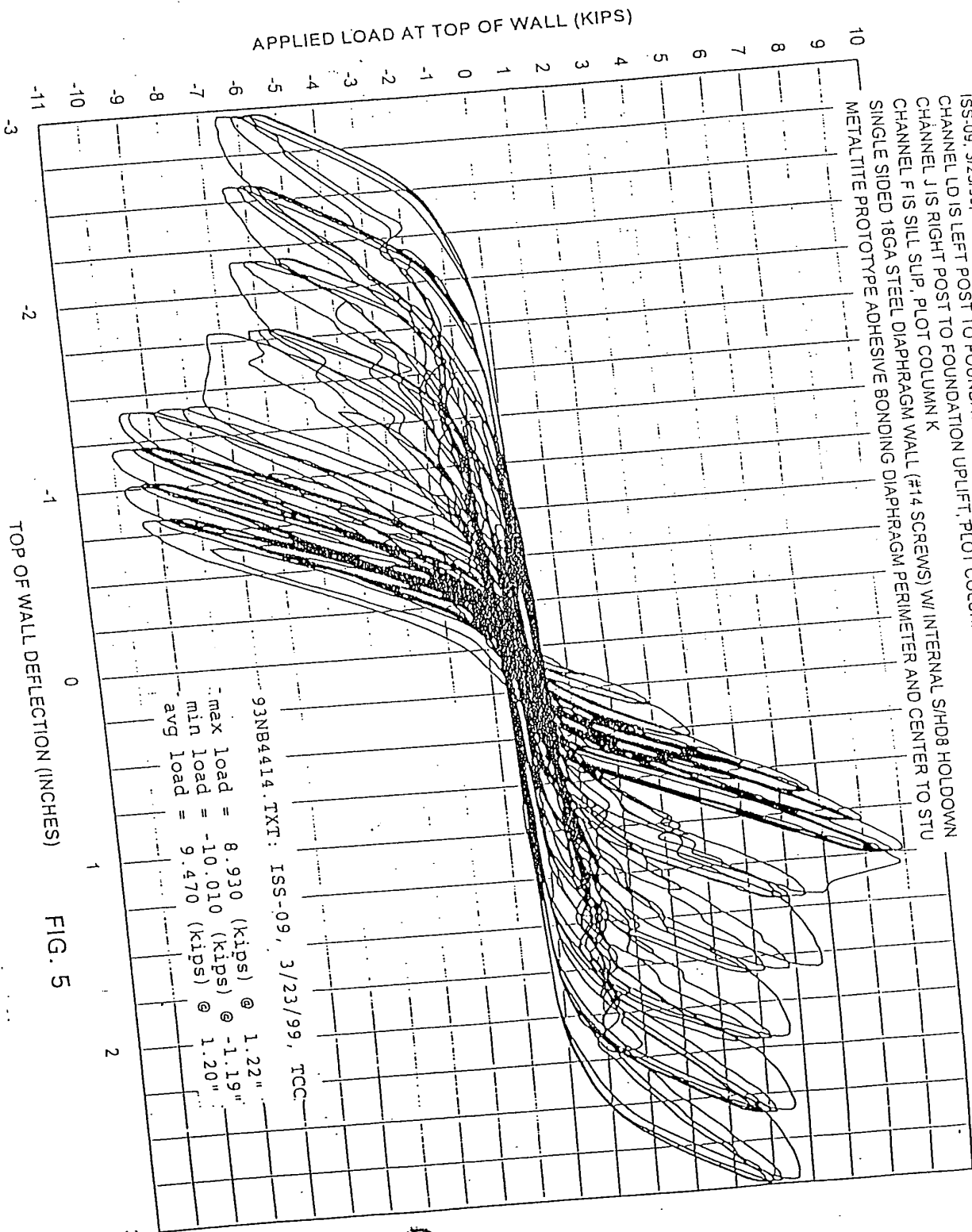
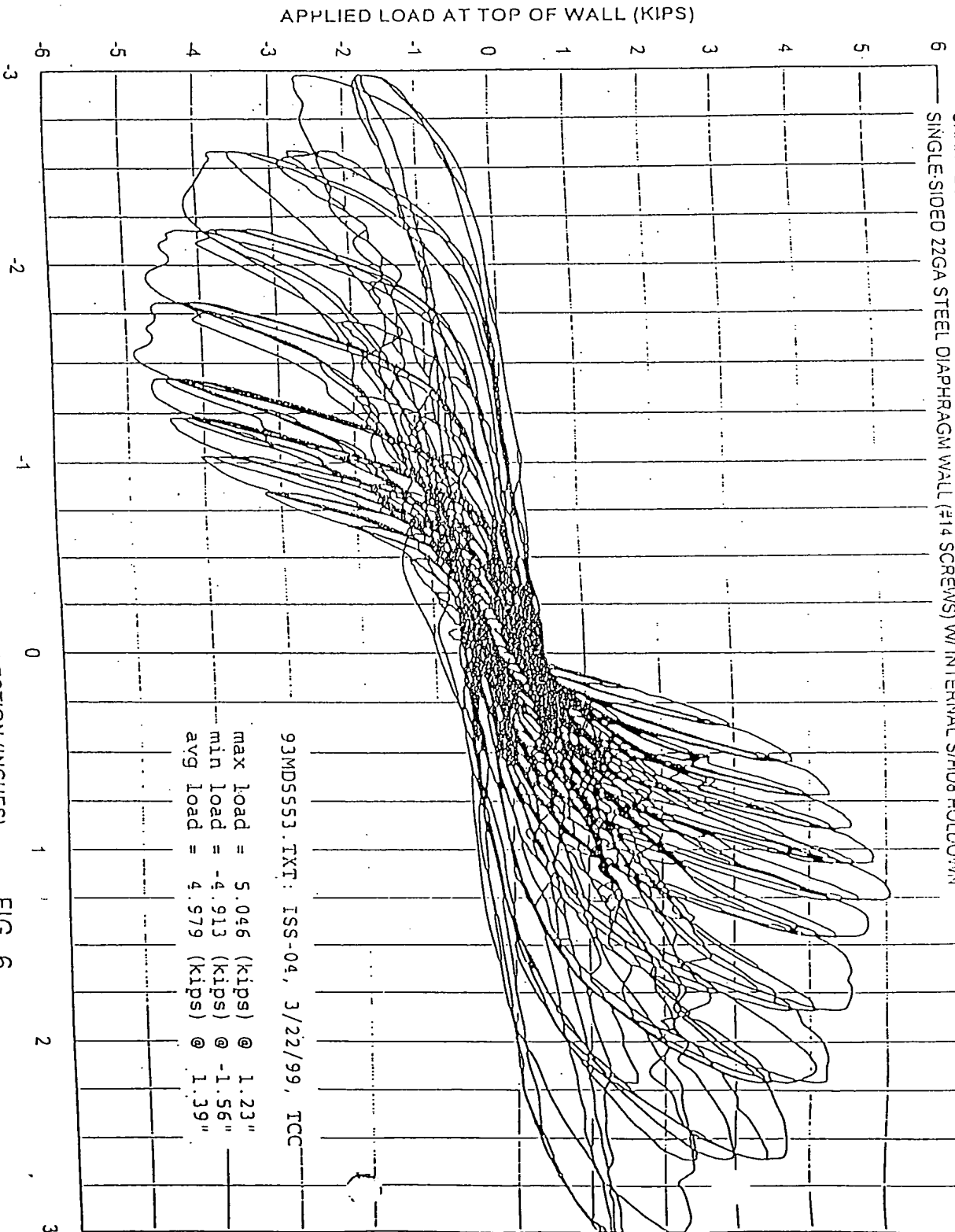


FIG. 5

09639599.081600

ISS-09, 3/23/99, TCCMAR2 LOADING AT 5 SECONDS PER CYCLE, FME=0.9  
 CHANNEL LD IS LEFT POST TO FOUNDATION UPLIFT, PLOT COLUMN H  
 CHANNEL J IS RIGHT POST TO FOUNDATION UPLIFT, PLOT COLUMN M  
 CHANNEL F IS SILL SLIP, PLOT COLUMN K  
 CHANNEL F IS SILL SLIP, PLOT COLUMN K  
 SINGLE SIDED 18GA STEEL DIAPHRAGM WALL (#14 SCREWS) W/ INTERNAL S/H/D8 HOLDOWN  
 METALITE PROTOTYPE ADHESIVE BONDING DIAPHRAGM PERIMETER AND CENTER TO STU

ISS-04, 3/22/99, TCCMAR2 LOADING AT 5 SECONDS PER CYCLE, FME=0.8  
 CHANNEL L0 IS LEFT POST TO FOUNDATION UPLIFT, PLOT COLUMN H  
 CHANNEL J IS RIGHT POST TO FOUNDATION UPLIFT, PLOT COLUMN M  
 CHANNEL F IS SILL SLIP, PLOT COLUMN K  
 SINGLE-SIDED 22GA STEEL DIAPHRAGM WALL (#14 SCREWS) W/ INTERNAL S/H08 HOLDOWN



93MD5553.TXT: ISS-04, 3/22/99, TCC  
 max load = 5.046 (kips) @ 1.23"  
 min load = -4.913 (kips) @ -1.56"  
 avg load = 4.579 (kips) @ 1.39"

TOP OF WALL DEFLECTION (INCHES)

FIG. 6

09639599.081600

ISS-08, 3/23/99, TCCMAR2 LOADING AT 5 SECONDS PER CYCLE, FME=0.9  
 CHANNEL LD IS LEFT POST TO FOUNDATION UPLIFT, PLOT COLUMN H  
 CHANNEL J IS RIGHT POST TO FOUNDATION UPLIFT, PLOT COLUMN M  
 CHANNEL F IS SILL SLIP, PLOT COLUMN K  
 SINGLE SIDED 22GA STEEL DIAPHRAGM WALL (#14 SCREWS) W/ INTERNAL S/HDS HOLDOWN  
 METALTITE PROTOTYPE ADHESIVE BONDING DIAPHRAGM PERIMETER AND CENTER TO STU

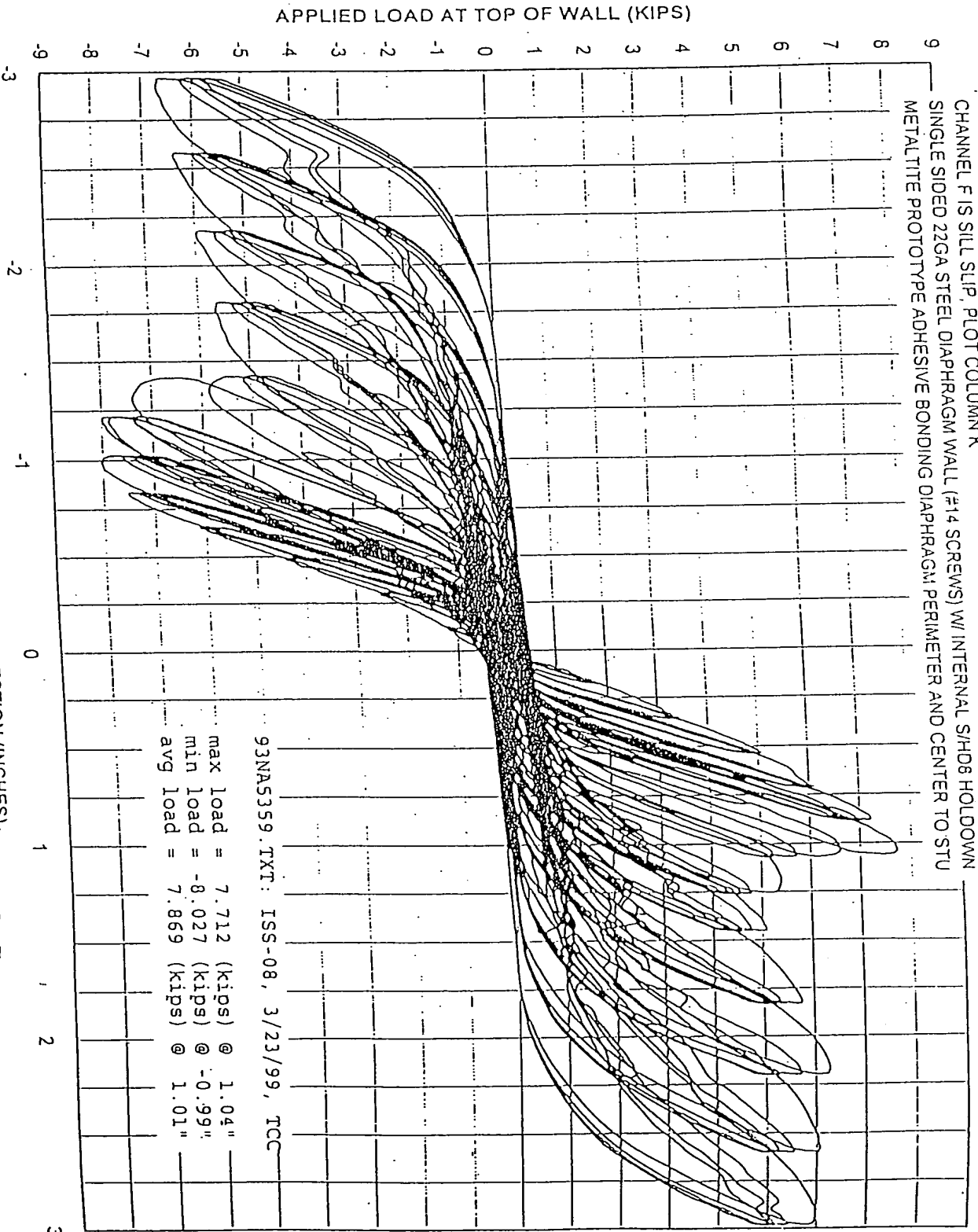


FIG. 7

09639599.031600

009130" 6656E960

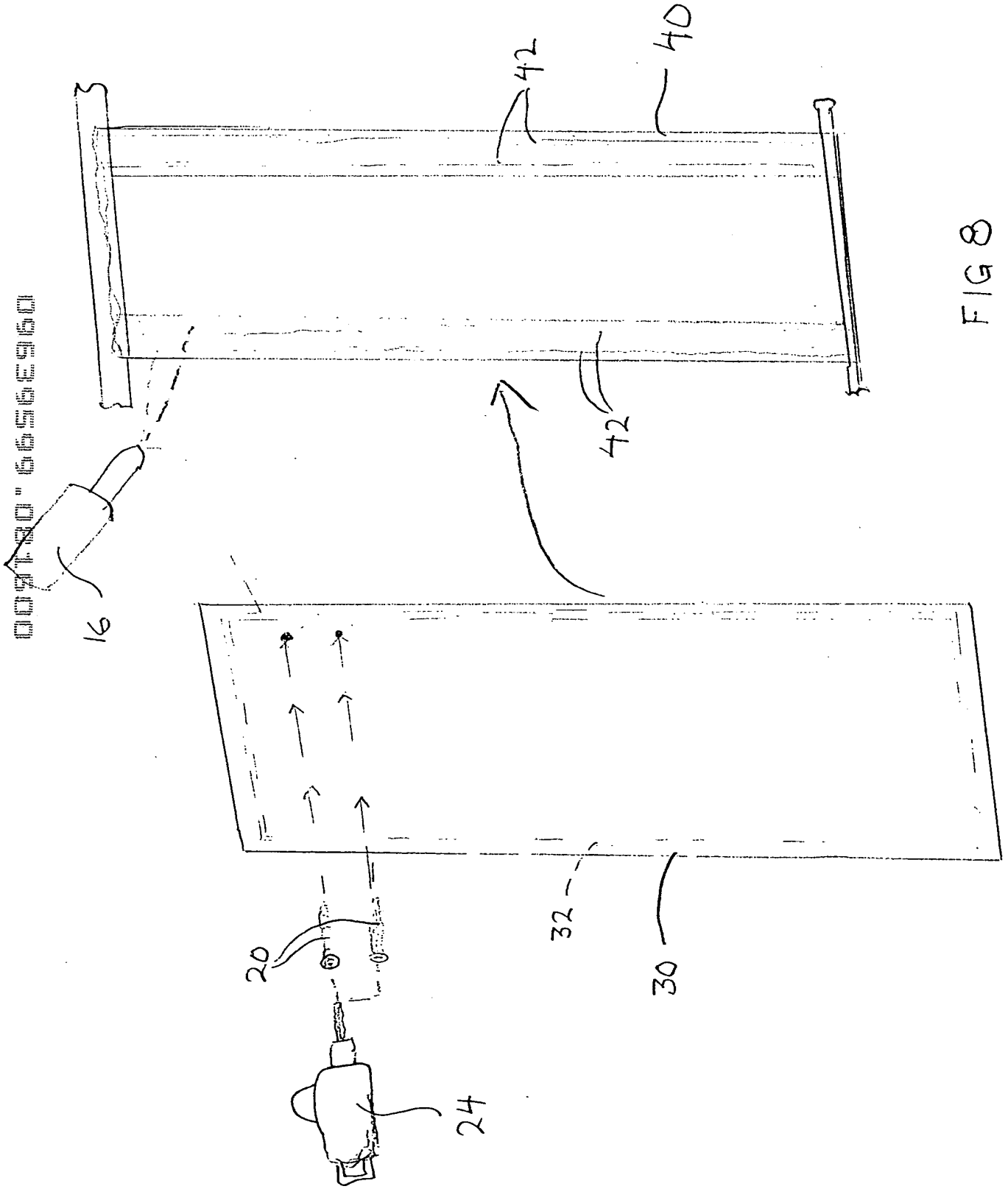


FIG 8



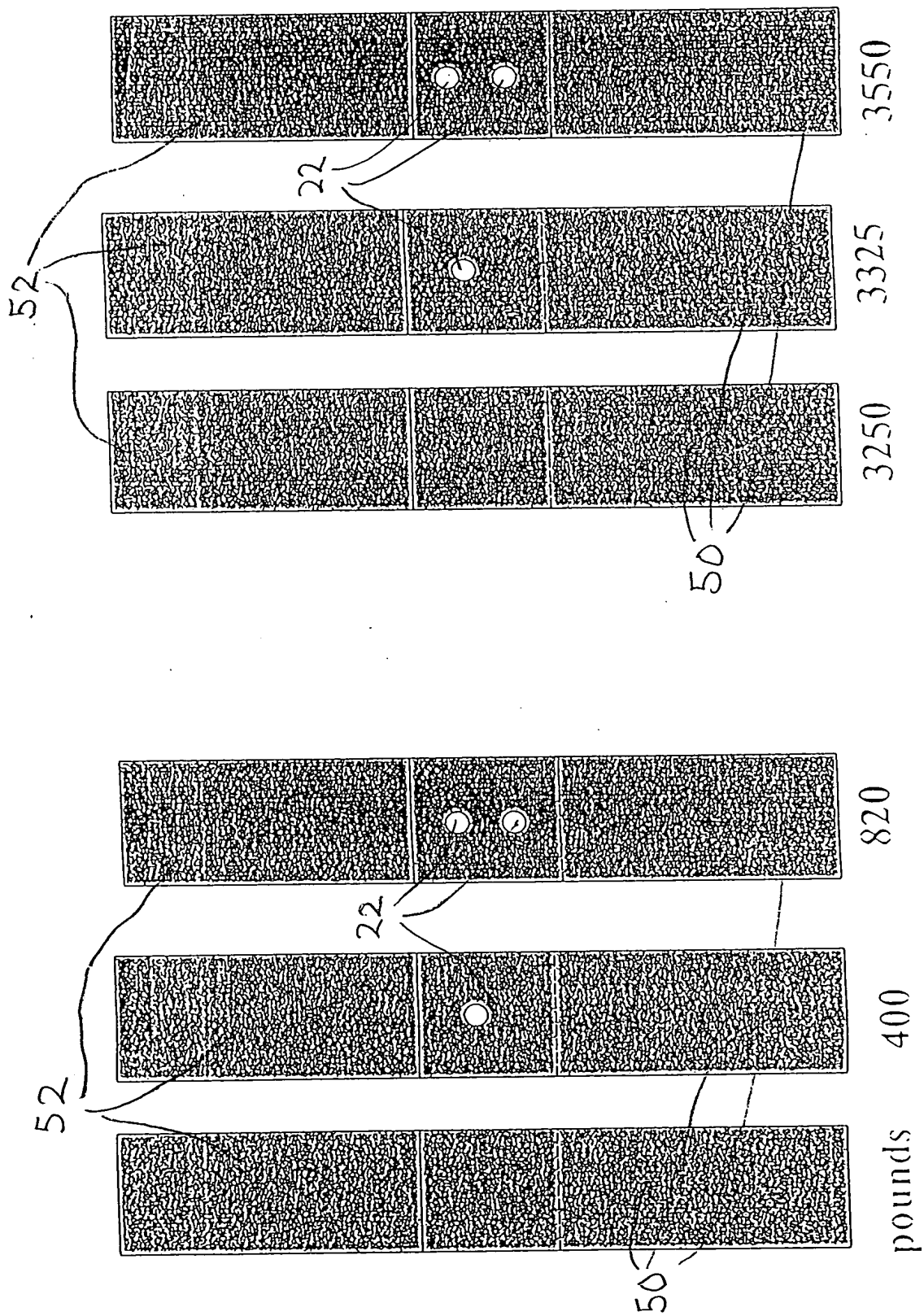


FIG 10

FIG 9